

Title (en)
DIRECTIONAL COUPLER ARRANGEMENT AND METHOD

Title (de)
RICHTKOPPLERANORDNUNG UND VERFAHREN

Title (fr)
AGENCEMENT DE COUPLEUR DIRECTIONNEL ET PROCÉDÉ

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EP 2862231 A1 20150422 (EN)

Application
EP 12729950 A 20120618

Priority
EP 2012061578 W 20120618

Abstract (en)
[origin: WO2013189514A1] A directional coupler arrangement (100) comprising an air waveguide (101) and a coupler port (103) having a coupler line (105) arranged inside the air waveguide (101). A method (700) for producing a directional coupler arrangement (100) comprising forming (701) an air waveguide (101) and forming (703) a coupler port (103) having a coupler line (105) arranged inside the air waveguide (101) is also disclosed. Placing the coupler line (105) of a directional coupler inside the air waveguide (101) makes the interface to the air waveguide (101) more robust against manufacturing tolerances and improves its behaviour with respect to insertion loss, directivity, operational bandwidth and impedance matching.

IPC 8 full level
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Citation (search report)
See references of WO 2013189514A1

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